

H 6259 =

6309

Sept 5 to 7, 1915

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elec. Sounding 30 lb. lead soft ooze		11-05		

11—5314

NOTES

NOTES
 Down (PM) Up
 11:05:50 11:07:10
 11:06:20 11:06:30

Position: Tillamook Head light bears S 52° E
(true) distant 25.9 miles
Chart 6100

NETS, ETC., USED

[illegible]

11—5314

NOTES

NOTES (P.M.)

Down	Up
11:22:50	11:26:00
11:23:45	11:24:00

Position: Tillamook Head Light bears $SS1^{\circ}E$
(true) distant 25.0 miles
Chart 6100

1915

Long.

Sky:

11—5314

MARKS: *Goofy* *Mr. Shepley*
Ref. *Parker*

NETS, ETC., USED

[illegible]

11—5314

NOTES

down	up
7:26:05	7:28:00
7:26:40	7:29:00

Position: Tillamook Head Light bears $S 69^{\circ} E$
(true) distant 26.5 miles
Chart 6100

NETS, ETC., USED

[illegible]

11-5314

NOTES

A.M.

down	up
7:42:15	7:44:55
7:42:50	7:43:00

Position: Tillamook Head Light bears $S 70^{\circ} E$ (true)
distant 27.4 miles
Chart 6100

191 

Hour: 6.03.30 A.M. to 8.06.00 A.M.

Position: Lat.

Long.

Locality: Off mouth Columbia River

Depth: 106 Bottom: Blue Mud Sample: gran shale

Wind: Direction, 280 Force, 3Sea: *m* Sky:

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

^a 11—5314

REMARKS: Off of Deck 5 Mr. Cassidy
Reck. Blaker

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
8 11 1				

11—5314

NOTES

A.M.

02 30

0.03

04 20

8 Oct 50

Position: Tillamook Head Light bears $S 71\frac{1}{2}^{\circ} E$
(true) distant 28.2 miles.
Chart 6100

191

11—5314

REMARKS: *15 - Mrs. Cassidy*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
6 fath. sounding 30 lb lead Ann				

11-5314

NOTES

8.7.
 Down Up
 8.20, 30 8.23.15
 8.21, 20 8.21.40

Position: Tillamook Head Light bears $S 72\frac{1}{2}^{\circ} E$
 (true) distant 29.0 miles
 Chart 6100

Station No. 11215

Date: *11/1/58*

191

Hour: 8, 30, 15 A.M. to 8, 41, 16 A.M.

Position: Lat. Long.

Locality: Off no. 100, Columbia River

Depth: 130 Bottom: Sand & gravel Sample:

Wind: Direction, *030* Force, *1*

Sea: 1/2 Sky:

TEMPERATURES

Depth	Thermometer Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	53 60						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: *W. ...*
...

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elect. sounding, 1				
U. S. N. S. 1				

11-5314

NOTES

1. 7. 12

1. 7. 12
8.38.15 8.41.10
8.39.02 8.39.10

Position: Tillamook Head Light bears S 74° E (true)
distant 29.9 miles
Chart 6100

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Eelich sounding				
(14)				

11-5314

NOTES

Q. 7m
11.6
1.35
19.51.45 *9.51.55*

Position: Tillamook Head Light bears S 77° E (true)
 distant 28.8 miles
 Chart 6100

Chronometers put back after H 6266

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Rich Soundings 30 lb. lead (Unim. salt water) " " "				

11-5314

NOTES

Now

9.46.30
9.47.20

9.47.30
9.47.30

Position: Tillamook Head Light bears $S 77\frac{3}{4}^{\circ} E$
(true) distant 27.7 miles.
Chart 6100

#-62:9

Page 6

191 S

Hour: 10:30 A. M. to 11:30 A. M.

Position: Lat. _____ Long. _____

26 Columbia River

Depth: 10 f Bottom: fine S Sample:

Wind: Direction, *N.E.* Force,Sea: *7m* Sky: *4-5*

TEMPERATURES

Depth	Thermometer-- Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Sur face	54 63						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

REMARKS:
cc - Baker

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>6/10/10</i> <i>Arming, not ash</i> <i>V I</i>				

11-5314

NOTES

A. S.

10.02.30 *10.04.50*
10.02.20 *10.03.30*

Position: Tillamook Head Light bears $S 78\frac{1}{2}^{\circ} E$
 (true) distant 26.8 miles
 Chart 6100

Station No. 77-6270 Date: 2/22/6 1915

Hour: 10,19,15 A. M. to 10,21,30 A. M.

Position: Lat. _____ Long. _____

Locality:

Depth: 18 Bottom: Gray Mud Sample:

Wind: Direction, *SE* Force, *W*

Sea: *212* Sky: *212*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	54 63						

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Edge sounding 30 lb lead Arising netting				

11-5314

NOTES

A. S. N.
Down *Up*
 10.19.15 10.20.15
 10.20.00 10.20.20

Position: Tillamook Head light bears $S 79\frac{1}{2}^{\circ} E$
 (true) distant 25.8 miles
 Chart 6100

46276

0 6

1915

Hour: 10.35, or G. M. to 10.36.50 A. M.

Position: Lat. Long.

Lat. _____ Long. _____
Old Point Barre

105

gran shale, fine

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf Air	54 63						

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
3. Long Lamm. net on 11 ft. rope Arming soft soap				

11-5314

NOTES

Down 10.35.00 Up 10.36.50
 10.35.00 10.36.50

Position: Tillamook Head Light bears S 80 1/2° E
 (true) distant 24.9 miles
 Chart 6100

191

bc

11—5314

1000 = 1000

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>Elect. deep-sea net</i> <i>30 lb.</i> <i>1/2 hr.</i> <i>1/2 hr.</i>				

11-5314

NOTES

1. 7. 30
1. 15. 45
1. 16. 15

Position: Tillamook Head Light bears $S 83^{\circ} E$ (true)
 distant 26.4 miles
 Chart 6100

1914-

Hour: 11.22.50

Position: Lat.

H. Columbia River.

Bottom:

Sample:

Sept-17

Force,

11

Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
100 Air	64						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Transparency:

REMARKS:

11—5314

OK - Ab. 1
Rec - 1

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>600 fms. 1000 fms. 1100 fms.</i>				

11-5314

NOTES

*Position: Tillamook Head Light bears S 84 1/2° E (true)
distant 27.3 miles.
Chart 6100*

Rec - [illegible]

6275

Sept. 6.

191 J

Hour:

✓ A. M. to 5:00 P. M.

Position: Lat.

Long.

Locality:

Depth:

274

Bottom:

Green mud!

Sample:

Wind: Direction,

at all will

Force,

Sea:

21

Sky:

1

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	6-21						

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

REMARKS: Off. Look Mr. C. G.

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<p>(</p> <p>0 1 1</p> <p>U</p>				

11-5314

NOTES

11/11

11 57:10 12 02:5
11 59:00 11 59:10

Position: Tillamook Head Light bears S86° E (true)
 distant 29.0 miles
 Chart 6100

#1276

Sept 10

1915

Hour: 12:41:30 P. M. to 12:44:40 P. M.

Position: Lat. _____ Long. _____

Locality: 11/2 - 12/10/1940

Depth: 117 fath Bottom: gy. S. bk.

Sample:

Wind: Direction, *020-4* Force,Sea: *calm* Sky:

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

Ch. 10

NETS, ETC., USED.

Description	Depth	TIME		Speed
		Down	Up	
30 ft. lead Arms, left arm " " "				

11-5314

NOTES

P. M.

12:41:30 12:44:40
12:42:20 12:42:30

Position: Tillamook Head Light bears $S 87\frac{1}{2}^{\circ} E$
(true) distant 27.3 miles
Chart 6100

Station No.

6277

Date:

Sept 6

1915

Hour: 1:00:00 P. M. to 1:02:10 P. M.

Position: Lat.

Long.

Locality: 04

Depth: 111 fath Bottom:

fine blk

Sample:

Wind: Direction, South Force, 2

Sea: L.

Sky: bc

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	55° 64°						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
30 lb. lead Orange net 100 yds.				

11-5314

NOTES

1:00:00 1:02:10
1:00:30 1:00:40

Position: Tillamook Head light bears S 88° E (true)
distant 26.3 miles
Chart 6100.

1915

MARKS:

Off. mark: H. L. L. L. L.

Revised: 1870

NETS, ETC., USED:

Description	Depth	TIME		Speed
		Down	Up	
Elect Sounding. 30 ^m lead, soft stop arming.				

11-5314

NOTES

P.M.

Down	Up.
1:16:20	1:18:20
1:17:00	1:17:20

Position: Tillamook Head Light bears S88°E
(true) distant 25.4 miles
Chart 6100

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
31' lead net arming				

11-5314

NOTES P.M.

Down Up
1:27:45 1:37:10
1:37:40 1:39:45

Position: Tillamook Head Light bears SE (true)
distant 26.0 miles
Chart 6100

Station No. *H-6280* Date: *Sept 6* 191*5*

Hour: 1:56:40 P. M. to 1:59:00 P. M.

Position: Lat. Long.

Locality: *Gr. Loma on River.*
29

Depth: 112.6 m Bottom: Blue clay. Sample:

Wind: Direction, *201* Force, *2*

Sea: *L.* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

MARKS: *Ch. Beck: Vth - 100*

Recorder: C. B. Long.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elect Sounding, 30 th Lead, soft spag arming.				

11-5314

NOTES P.M.Down Up.

1:56:40 1:59:00

1:57:30 1:57:40

Position: Tillamook Head Light bears $N 89^{\circ} E$
 (true) distant 26.8 miles
 Chart-6100

191.4-

Long.

Sea: *L.* Sky: *bc*

11—5314

Recorder: *Ed. J. [unclear]*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elect sounding, 30# lead, soft flap sounding.				

11-5314

NOTES P.M.

<u>Down</u>	<u>Up</u>
2:13:10	2:15:45
2:14:00	2:14:10

Position: Tillamook Head Light bears $N 87\frac{1}{2}^{\circ} E$ (true)
distant 27.7 miles
Chart 6100

1913-

Hour: 2:30:30 P. M. to 2:33:25 P. M.

Position: Lat. Long.

Locality: *Old Comoria River*

Depth: 134 Bottom: (S.D.) Sample:

Wind: Direction, *S.E.* Force, *2*

Sea: *L.* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

By Name: Mr. Bick

Recorder: C. E. Hartung.

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elect sounding, 30 th lead, soft soap arming.				

11-5314

NOTES *PM*

Down.....Up.

2:30:30 2:33:25

5:00:00 5:00:00

Position: Tillamook Head Light bears $N 86^{\circ} E$ (true)
distant 28.4 miles
@ Chart 6100

Station No. 7 3

Date: 1-25-64

101.—

Hour: 2:47:30 P. M. to 2:57:10 P. M.

Position: Lat. _____ Long. _____

Locality: *Grassland, near the river*

Depth: 12 Bottom: (S) Sample:

Wind: Direction, *S.W.* Force, *2*

Sea: *L.* Sky: *bc*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
air	64						
Sur	55.0						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

· **Transparency:**

REMARKS:

11-5314

8: *Hyphomyscus* *Hyphomyscus*
Hyphomyscus *Hyphomyscus*

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>Elect soundings, 30th Lead, soft soap arming.</i>				

11-5314

NOTES *P.M.*

Down 12 Up
2:47:30 2:51:10
2:48:45 2:49:00

*Position: Tillamook Head Light bears N 85° E
 (true) distant 29.2 miles
 Chart 6100*

4

2000

191 6-

Hour: 3:22:45 P. M. to 3:25:30 P. M.

Position: Lat. Long.

Locality: *Camp Grounds near Ketchikan*

Depth: 1100 Bottom: Sand, silt Sample:

Wind: Direction, *S.W.* Force, *2*

Sea: *L* Sky: *bc.*

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

[Faint handwritten notes]

Received: G. H. Day

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>Start of haul at 100 fathoms, 100 fathoms, 100 fathoms.</i> <i>6</i>				

11-5314

NOTES PM*Down.....Up**10:10 AM 10:10 AM**10:30 AM 10:30 AM*

Position: Tillamook Head Light bears N 84° E
(true) distant 27.4 miles
Chart 6101

Station No. *H. 6285* Date: *Sept 6, 1917*

Hour: 3:39:50 P. M. to 3:42:00 P. M.

Position: Lat. _____ Long. _____

Locality: *San Juan River*

Depth: 100.0 f Bottom: fine sand Sample:

Wind: Direction, *S. by E.* Force, *2*

Sea: *L* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

Records: S. S. May

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
30 th Lead, soft deep, strong				

11-5314

NOTES P.M.

DOWN	UP
3:40:30	3:40:40

Position; Tillamook Head Light bears N 83° E
(true) distant 26.4 miles
Chart 6100

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elect. Sounding, 30# Lead, soft soap, arming.				

11-5314

NOTES P.M.

Down. Up.

3:56:10 3:58:15

3:56:50 3:57:00

Position: Tillamook Head Light bears N 82 1/2° E (true)
distant 28.4 miles
Chart 6100

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<p>500 fathoms, 30 fathoms 10 fathoms</p> <p>11</p>				

11—5314

NOTES *P.M.*

Down, . . . Up.

4:12:20 ... 4:14:20

4:13:00 4:13:10

Position: Tillamook Head Light bears $N 82^{\circ} E$
(true) distant 24.4 miles.
Chart 6100

Station No. 428

Date: 2-28-6

191.

Hour: 4.29.00 P. M. to 4.30.50 P. M.

Position: Lat. _____ Long. _____

Locality: Off Columbia River

Depth: 100 Bottom: *S. gravel* Sample:

Wind: Direction, SW Force, 2

Sea: L Sky: bc

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
3000 fms				
2000 fms				
1000 fms				
500 fms				
200 fms				
100 fms				
50 fms				
20 fms				
10 fms				
5 fms				
2 fms				
1 fm				
Surf				

11—5314

NOTES

P M

Down	20
4.29.00	4.30.50
4.29.45	4.29.50

Position; Tillamook Head Light bears $N 81^{\circ} E$ (true)
distant 23.4 miles
Chart 6100

NETS, ETC., USED

[illegible]

11—5314

NOTES

PM

Down 210

5.04,10	5.06.05
5.04,58	5.06.00

Position: Tillamook Head Light bears $N 80^{\circ} E$
(true) distant 25.8 miles
Chart 6100

Station No. *H 6390* Date: *Feb 27 1915*

Hour: 3:20:00 P. M. to 5:22:23 P. M.

Position: Lat. _____ Long. _____

Locality:

Depth: 100 Bottom: S Sample: 1

Wind: Direction, S. by E. Force, 2

Sea: 2 Sky: 10

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS:

OOD-Mr.
Parker

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
5 fms Sounding 3.4 fms Lead 4.5 fms 200'				

11-5314

NOTES

P 141

Down - 2 P.
5:22:00 5:22:00

Position: Tillamook Head Light bears N 80° E
(true) distant 26.8 miles.
Chart 6100

Station No. H 6291

Date: 11/1/6

191

Hour: 5:36:40 P. M. to 5:39:00 P. M.


Position: Lat.

Long.

Locality:

Depth: 196 Bottom: Silt Sample:

Wind: Direction, *NW* Force, *1-2*

Sea:  Sky:

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
Surf	56						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

Rec -

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
5 lbs. sounding 3 ft. lead 1 ft. soap				

11-5314

NOTES

P.M.

Down 3:00

Position: Tillamook Head Light bears $N 79\frac{1}{2}^{\circ} E$
(true) distant 28.0 miles
Chart 6100

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Elec Sounding 30 th Lead 27-1 2020				

11-5314

NOTES

Down

Up

Position: Tillamook Head Light bears N 79° E
(true) distant 29.1 miles
Chart 6100

191 S

. M.

Long.

Lat.	Long.
10° 15' N	157° 15' W

Sample:

X. 0. IV.

Sky:

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Transparency:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

PH

Down

Up
14

Position: Tillamook Head Light bears $N 79^{\circ} E$ (true)
distant 30.3 miles.
Chart 6100

Station No. *# 6234* Date: *Sept 11* 191*5*

Hour: 6:44:00 P. M. to 6:46:30 P. M.

Position: Lat. _____ Long. _____

Locality:

Depth: 12 Bottom: fine blk. S Sample:

Wind: Direction,

Sky:

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
30# Lead Soft Soap				

11-5314

NOTES

PM

Down

UP

Position: Tillamook Head Light bears $N 77^{\circ} E$ (true)
distant 28.5 miles
Chart 6100

6295

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040

191 *£*

Hour: 7:00 P. M. to 7:04:18 P. M.

Position: Lat. _____ Long. _____

Locality:

Depth:

Bottom:

Sample:

Wind: Direction,

Force,

Sea:

Sky:

TEMPERATURES

Depth	Thermometer - Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
2	2						
3	3						
4	4						
5	5						
6	6						
7	7						
8	8						
9	9						
10	10						
11	11						
12	12						
13	13						
14	14						
15	15						
16	16						
17	17						
18	18						
19	19						
20	20						
21	21						
22	22						
23	23						
24	24						
25	25						
26	26						
27	27						
28	28						
29	29						
30	30						
31	31						
32	32						
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34	34						
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73	73						
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78	78						
79	79						
80	80						
81	81						
82	82						
83	83						
84	84						
85	85						
86	86						
87	87						
88	88						
89	89						
90	90						
91	91						
92	92						
93	93						
94	94						
95	95						
96	96						
97	97						
98	98						
99	99						
100	100						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11-5314

NETS, ETC., USED

[illegible]

11—5314

NOTES

7:02:35 7:02:35

Position; Tillamook Head Light bears $N 76^{\circ} E$
(true) distant 27.6 miles

#6296

2/6

191 §

7:20:00 P. M. to 7:20:55

Lat. _____ Long. _____

107. Bottom: *fine mud*
in the bay

29.501 Force,

7/11 Sky: 100

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Transparency:

REMARKS:

NETS, ETC., USED.

Description	Depth	TIME		Speed
		Down	Up	
U, 2, 1 minute 11 1 1				

11-5314

NOTES

20:00

20:10

20:20

Position: Tillamook Head Light bears $N 75^{\circ} E$
(true) distant 2.6.6 miles.
Chart 6100

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
<i>1st</i> <i>666</i> <i>Arm</i> <i>1 11 1</i>				

11-5314

NOTES

7:37:30 *7:38:40*
7:38:08 *7:39:12*

Position: Tillamook Head Light bears $N 73\frac{1}{2}^{\circ} E$ (true)
 distant 25.6 miles.
 Chart 6100

Station No. A 6298 Date: Sept 6 1915

Hour: 7:55 A.M. to 7:00 P.M.

Position: Lat. _____ Long. _____

Locality: W. 1/4 Sec. 10, T. 11N, R. 10E, S. 101

Depth: 9'3 Bottom: Black sand mud Sample:

Wind: Direction, S.W. Force, 1

Sea: *A* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS: 10-1-11 11-5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
20 ft. lead trawling net 1 fathom				

11-5314

NOTES

7:56:1

Position: Tillamook Head Light bears N 72° E
 (true) distant 24.7 miles
 Chart 6100

Station No. 30-0

Date:

191

Hour: 8:31:35 P. M. to 8:34:10 P. M.

Position: Lat. _____ Long. _____

Locality: 1011 Columbia R.
780

Depth: 10 fathoms Bottom: Sand Sample:

Wind: Direction, 280 Force, 1

Sea: *2* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
Cast down 30' net, 20' & trap arising				

11-5314

NOTES P.M.

DOWN UP
8:45:00 8:50:00
8:55:00 9:00:00

Position: Tillamook Head light bears $N 67^{\circ} E$
(true) distant 22.0 miles.
Chart 111

Station No. 11 6302

Date: _____

191

Hour: 7:47:30 A. M. to 7:47:30 A. M.

Position: Lat. _____ Long. _____

Locality:

Depth: 98 Bottom: Sand Sample:

Wind: Direction, *S. E.* Force, *1*

Sea: *SM* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5114

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

Position: Tillamook Head Light bears $N 68 \frac{1}{2}^{\circ} E$
 (true) distant 23.1 miles
 Chart 6100

#6303

Date:

Sep 1 7

1015

Hour: 8.08.50 A.M. to 8.11.10 A.M.

Position: Lat. _____ Long. _____

Locality: *O. l. ...*

Depth: 76 Bottom: Sand Sample:

Wind: Direction, *SE* Force, *2*Sea: *M* Sky: *bc*

TEMPERATURES

Depth	Thermometer— Make and No.	Reading	Stem Temp.	Correc- tion	Corrected Temp.	W. Sample	Bottle used
	5561						

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water:

Transparency:

REMARKS:

11—5314

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	

11-5314

NOTES

A.M.

Down Up

8.18.50

8.11.10

8.17.25

8.09.45

Position: Tillamook Head Light bears $N 68\frac{1}{2}^{\circ} E$
(true) distant 24.2 miles

191

11—5114

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
500				
St.				
2000				
Lat. 10. 20. 00				

11—5314

NOTES

11. NA
11111

8.25.10
8.25.55

312555

8.28, 10

8,26,10

Position: Tillamook Head Light bears $N 68\frac{1}{2}^{\circ} E$
(true) distant 25.1 miles
Chart 6100

Station No. 176305 Date: Aug 17 1918

Hour: 8:45 A. M. to 10:30 A. M.

Position: Lat. _____ Long. _____

Locality: OK. 2000 ft. above sea level. N. V. 1000 ft.

Depth: 118 Bottom: Blue mud Sample:

Wind: Direction, *SE* Force, *1*

Sea: *SM* Sky: *bc*

TEMPERATURES

[illegible]

CURRENTS

Depth	Hour	Tide	Time down	Revolutions	Speed	Direction

Color of water: Transparency:

REMARKS: 005-Mr. Click

NETS, ETC., USED

Description	Depth	TIME		Speed
		Down	Up	
30.11 20.11 1				

11-5314

NOTES

4. 11

1. 1. 5

8.41.30
8.42.25

8.41.30
8.42.35

Position: Tillamook Head Light bears $N 68 \frac{1}{2}^{\circ} E$
 (true) distant 26.2 miles
 Chart 6100

191

TEMPERATURES

[illegible]

CURRENTS

[illegible]

11—5314

Description	Depth	TIME		Speed
		Down	Up	
San Juan A				

NOTES. 11 14

8.57.50	9.01.05
8.58.45	8.59.00

Position: Tillamook Head Light bears $N 68^{\circ} E$
(true) distant 27.4 miles
Chart 6100

191.5

M. to

Long.

Locality:

Sample:

Force,

Sky:

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Transparency:

REMARKS:

NETS, ETC., USED

[illegible]

11-5314

NOTES

AM

Dow 37

UP

9.31.45

9.36,00

9.33,00

9, 23, 10

Position: Tillamook Head Light bears $N 68^{\circ} E$
(true) distant 29.4 miles
Chart 6100

8

Station No. *H-6309* Date: *Sept 7* 191*5*

Hour: 10.08.15 A.M. to 10.11.50 A.M.

Position: Lat. 12° 15' N Long. 158° 15' W

Locality: Off Columbia River

Depth: 120 Bottom: ^{fine} Black sand Sample:

Wind: Direction, *SE* Force, *2*

Sea: *rn* Sky: *oc*

TEMPERATURES

[illegible]

CURRENTS

[illegible]

Color of water:

Transparency:

REMARKS:

OOD Mr - Glick
Rec - Blaker

11—5314

NETS, ETC., USED

[illegible]

11—5314

NOTES

HM

Dowry

410

10.08.12

10.11.40

10,09,15-

10.09.30

Position: Tillamook Head Light bears $N 66\frac{1}{2}^{\circ} E$
(true) distant 28.0 miles
Chart 6100

This book checked
R & S